Corbettmaths

D

11cm

x

C

6cm

A   7cm   B

Find the length of BD

Find the area of triangle BCD.

Explain why the area of a rectangle increases by a factor of 4 when the side length is doubled.

A wire of length 20cm is cut into **two** pieces, each of which is bent into a square.

If the length of the side of one square is x cm, show that the length of the side of the other square is (5 – x) cm.

The **total** area of the two squares is 14.5cm².

Find the lengths of the two pieces of wire.